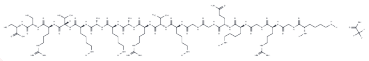
Data Sheet (Cat.No.T83679)

TargetMol

Parasin I (catfish) TFA

Chemical Properties



CAS No. :

Formula: C82H154N34O24.XCF3COOH

Molecular Weight: 2000.31

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Parasin I, a peptide fragment derived from the N-terminal region of histone H2A in catfish (P. asotus), plays a critical role in host defense. This antimicrobial peptide is produced through the action of cathepsin D on histone H2A within the skin mucosa of injured P. asotus. Demonstrating efficacy against a spectrum of Gram-positive and Gram-negative bacteria, as well as fungi, Parasin I exhibits minimum inhibitory concentrations (MICs) of 1-2 μg/ml, 1-4 μg/ml, and 1-2 μg/ml, respectively.

Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4999 mL	2.4996 mL	4.9992 mL
5 mM	0.100 mL	0.4999 mL	0.9998 mL
10 mM	0.050 mL	0.250 mL	0.4999 mL
50 mM	0.010 mL	0.050 mL	0.100 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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